

DEVICE FOR MANUFACTURING LITHOGRAPHIC PRINTING PLATE AND METHOD FOR DETECTING INSULATION FAILURE SPOT IN THE DEVICE

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Inventor: TSUGE TATSUO
Applicant: FUJI PHOTO FILM CO LTD
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Abstract of JP2003019876

PROBLEM TO BE SOLVED: To detect an insulation failure which occurs in the upstream side of a grounding means, always with high sensitivity without being adversely affected by a change in electrolytic current and also a conductivity failure of the grounding means.

SOLUTION: In an alarm generating part 116 of a process computer 114, an upper limit threshold value and a lower limit threshold value of leakage current, can be set respectively. On the other hand, the process computer 114 calculates the upper limit threshold value and the lower limit threshold value respectively on the basis of the set value or the like of the electrolytic current, prior to the start of an electrolytic treatment to an aluminum web 10 or in a timely manner by which electrolytic treatment conditions are changed. Further, the calculated upper limit threshold value and the lower limit threshold value are set at the alarm generating part 116.

The alarm generating part 116 outputs an alarm signal and the measurements of the leakage current to an alarm processing part 118 of the process computer 114 when the leakage current measured by a current measuring apparatus 76 exceeds the upper limit threshold value and reaches the lower limit threshold value or below respectively.

